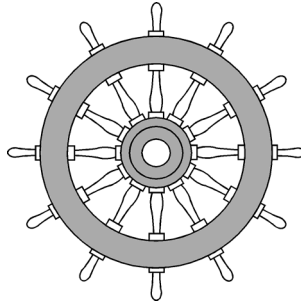


# EC TYPE-EXAMINATION CERTIFICATE

according to Marine Equipment Directive (Module B)



NOTIFIED BODY 0809

This is to certify that Eurofins Expert Services Ltd did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU and Commission implementing regulation (EU) 2021/1158 subject to any conditions in the schedule attached hereto.

## **Decoral decorative powder coating**

meet the requirements imposed in IMO 2010 FTP Code, Annex 1 Part 2 and Part 5 (IMO Resolution MSC.307(88) Annex 1 Part 2 and Part 5) on

**materials with low flame-spread characteristics and not producing excessive quantities of smoke and toxic products or not giving rise to toxic hazards at elevated temperatures**

and the provisions of Marine Equipment Directive 2014/90/EU, that apply to

**surface materials with low flame-spread characteristics.**

These products have been assigned a U.S. Coast Guard Module B number (**164.112 / EC0809**) to note type approval to Module B only as it pertains to obtaining U.S. Coast Guard approval as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 27th, 2004 and amended by Decision No.1/2018 signed February 18<sup>th</sup> 2019.

Manufacturer of the product is

**Mäkelä Alu Oy**

The Certificate is valid until December 29, 2026 unless suspended, expired or withdrawn, provided the conditions in this certificate are complied with and the equipment remains satisfactory in service.

Espoo December 29, 2021

This document is electronically approved

Tiina Ala-Outinen  
Manager, Building Structures

Heli Välimäki  
Senior Expert

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Manufacturer	Mäkelä Alu Oy Mäkeläntie 2, FI-62830 Luoma-aho
Regulation Item	MED /3.18b surface materials with low flame-spread characteristics, paint systems.
Products	Decoral decorative powder coating.
Product description	Polyurethane powder coating on aluminium profiles and aluminium sheets with a thickness of 0,56 mm or greater, decorated with Decoral Coating method. Dry film thickness of the paint maximum 80 µm.
Approved application	On bulkhead, wall and ceiling linings.
Technical document	Decoral kuviopinoitus tuotespesifikaatio 2020, 31.1.2020 by Mäkelä Alu Oy.
Test report	EUFI29-21005625-T1, (December 20, 2021), Eurofins Expert Services Oy.
Test methods	IMO 2010 FTP Code Annex 1 Part 2 and Part 5 (IMO Resolution MSC.307(88) Annex 1 Part 2 and Part 5).
Notes	<p>This certificate replaces the previous EC Type-Examination Certificate (B-module) EUFI29-20000120-MED.</p> <p>This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.</p> <p>Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reapproved prior to it being placed on board vessels to which the amended regulations or standards apply.</p> <p>The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E or F) of Annex B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.</p>

END OF CERTIFICATE